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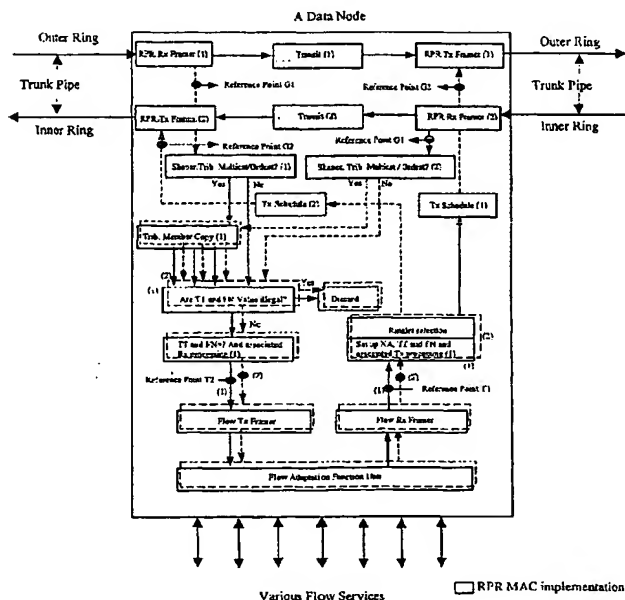
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[Continued on next page]

(54) Title: AN IMPLEMENTATION METHOD ON MULTI-SERVICE FLOW OVER RPR AND APPARATUS THEREFOR



Tx and Rx Diagram of a Data Node

(57) Abstract: This technology handles Multiple Services Flow (MSF) Based on RPR and a way of multi-service flow over RPR. MSF is defined to work at the client of RPR MAC layer and uses Fairness Algorithm (FA) of RPR MAC to support services of Class A, Class B and Class C. MSF is used in configurations where flow based service is managed from provisioning. Architecturally, the link and broadcast topologies are supported also. The features of flow (Service, just like Ethernet, Frame Relay and G.702 etc) based 1+1, 1:1 and 1:N protection within 50 ms, flow (or Service flow) based BW management with symmetry and asymmetry, flow based multicast and Frame Sequence Number for Performance Monitoring of flow are highlighted in this patent.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H04L29/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CNPAT: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Proposed Draft Standard For Information Technology Telecommunications and information exchange between systems Local and metropolitan area networks Specific requirements- Part 17: Resilient packet ring access method and physical layer Specification 14 Jan. 2002(14.01.02) See page 16, line 28-page19, page 53-58, 67-74	1-6, 21, 34, 35, 41-46, 61, 70
A		7-20, 22-33, 36-40, 47- 60, 62-69, 71-74
A	WO9528779A(DSC COMMUNICATIONS CORPORATION)26 Oct 1995 (26.10.95) See the abstract	1-74

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

Information patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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